

Volume 3, No. 7

JULY, 1968

Portland, Oregon

## Beginnings of New Era Seen; 'Jolly Green Giant' Installed

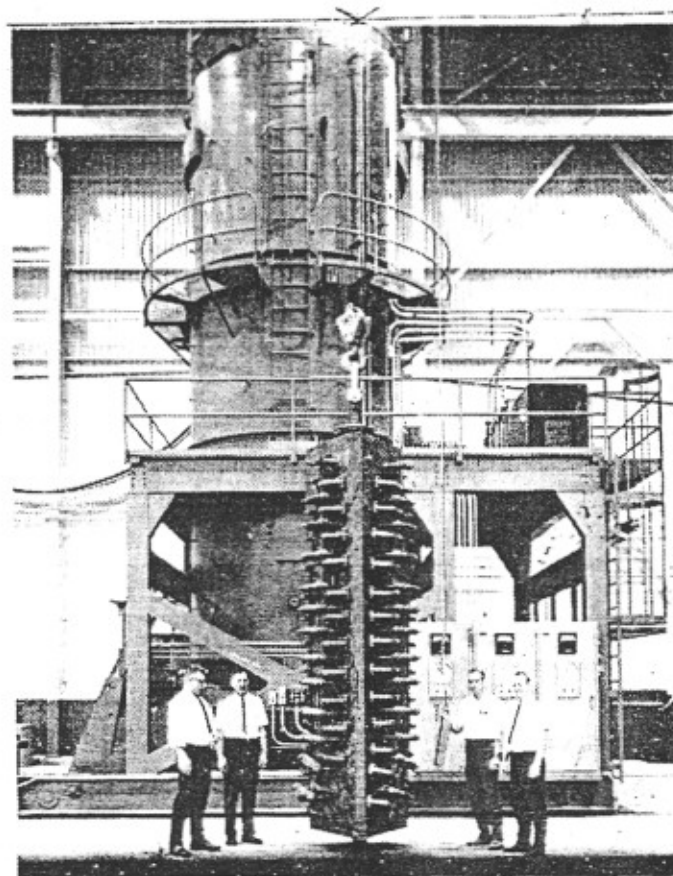
Gibbs

In the aircraft-aerospace industry the demand is for higher performance, greater pay loads, and longer range. This challenges the material technology fields to develop high strength light weight materials to meet the demands. The Boeing Company has turned to high strength steels to answer this challenge.

In the "Horse and Buggy Days" the blacksmith heat treated parts to high strength levels; but the steels were much heavier. The old adage was: "If a 1/2 inch piece will do, use a 1 inch piece". The modern adage might be: "If a 1/2 inch piece will do let's use a 3/8 inch piece". Modern technology makes this both possible and practical with a high degree of safety added. This design concept demands the utmost in reliability from design to delivery.

Photograph at right shows one of the many pieces of equipment used in the production of the 747 Flap Tracks. Because the tracks have been pared down to minimum weight and yet large in size, extreme quality control has been placed on them. In order to assure that ultimate quality can be obtained, a new Gantry Heat treat furnace, atmosphere type, was installed. This furnace is capable of handling a 10,000 pound load, 20 feet long by 6 feet wide, up to 2100°F. In this system, a Hyen Atmosphere Generator puts out 6000 CFM of controlled gas with specific air/CO<sub>2</sub> mixture. This is required to assure proper chemical reaction on the surface of the part when heated at 1600°F. Electronic recording and controlling devices are incorporated to check this reaction inside the furnace every 30 seconds and adjust the chemistry of the incoming gas accordingly.

Regardless of what equipment capability we may have, Harold Zebert, Boeing's source quality control representative (second from left), stated that the equipment is just part of what is required to produce a quality product. It takes dedicated and self-motivated men and their performances



SHOWN HERE with a loaded draw fixture ready for the tempering operation in the big Gantry furnace (rear) are Dick Alvey, Chief Inspector; Harold Zebert, Boeing Source Quality Control Representative; Don Pitts, Heat Treat Foreman, and Earl Dewald, Plant Superintendent.

which largely determine the success of a product. Shown in this photograph are such three E.S. men (left to right) Dick Alvey, Chief Inspector; Don Pitts, Heat Treat Foreman; and Earl Dewald, Plant Supt. Between

Zebert and Pitts is a loaded draw fixture with two flap tracks bolted down ready for tempering operation. In the background is the big Gantry furnace, nicknamed by the heat-treaters as "The Jolly Green Giant"

# SCORES!

by BOB REGAN

bowers, the winners of the season beat out The Electricians, in the series to wind up the season.

## BROOVERS

## m-The ELECTRICIANS

our  
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annual bowling  
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to the deserv-  
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725  
268  
300  
45

fied the paper of the team winners or individual bowlers. Congratulations to the top team and honor bowlers whoever you are—

**GOLF NOTES:** The E/S duffers are in high gear with 11 rounds of the scheduled 18 rounds completed.

### 9th Round—Top O' Scott—May 19

1st Division		2nd Division	
Schuff	65	Ostrom	65
Becker	66	Nagel	71
Neffendorf	73	Tennant	71
Woods	73	Yeager	71
Lyman	73	Salgado	72

### 10th Round—Graham—June 1

Rowler	68	Morrow	72
Neffendorf	69	Tennant	79
Becker	81	Yeager	81
Wolff	83	Salgado	83
Woods	87	Lawsbn	85

### 11th Round—Progress—June 16

The balance of the summer tournament schedule is:

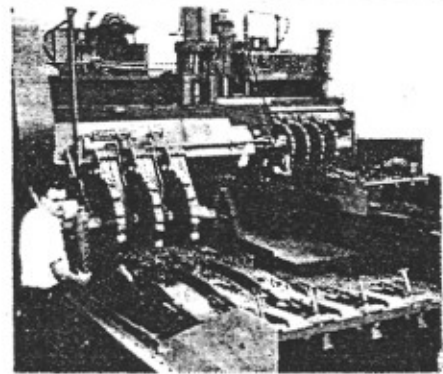
Eastmoreland ..... Sat. June 29 6:00 a.m.  
Top O' Scott (prize day)

Oregon City ..... Sat. July 14 6:00 a.m.  
Eastmoreland (trophy)

Sun. Aug. 11 6:00 a.m.  
Rose City (trophy) ..... Sat. Aug. 25 6:00 a.m.  
Progress (trophy) ..... Sun. Sept. 8 6:30 a.m.  
Top O' Scott (trophy)

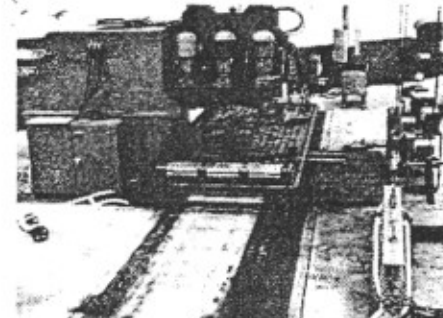
Sun. Sept. 22 6:00 a.m.

The swivel chair twilight league playing out of Glendoveer on Thursday evenings is slowly but surely working out the kinks. They are not exactly burning up the course; it's more of a smoulder but the embers of good games yet to come are glowing.



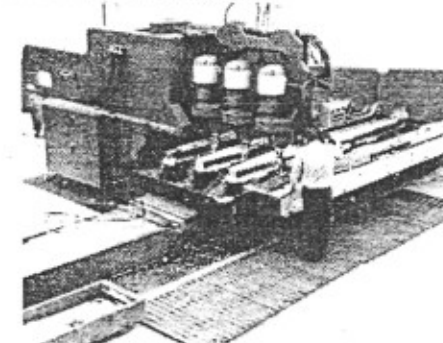
MACHINE No. 4705

THIS MACHINE started its life as a planer mill but was bought by Electronic Specialties and completely rebuilt to serve as a Flap Track slotter. This machine is the "work horse" of the department. It removes approximately two tons of steel out of each load of parts. The operators on this machine are Bill Bradford on day shift, Vernon Buntton on swing and Don Dunn on third shift.



MACHINE No. 1610

The machine was especially designed for the large 747 tracks (the 7790 and 7791) with a 20'x6.5' table. We are currently slabbing excess material off the forgings and cutting the tooling location points prior to the profiling operation. The operators on this machine are John Morrill on days and Earl Stonebrink on swing.



MACHINE No. 1611

THIS MACHINE is a sister machine in design to No. 1610. We are set up and currently profiling the biggest of the 747 flap tracks. One real advantage about this machine over our former profilers set up on the job is the fact that we have enough to completely traverse the part where older machines we completed only a portion of the parts at a time. Operators: Don Barzee; 2nd shift, Wesley Holland; 3rd shift, Bruce Elia.

# Buck-of-The-Month Club

The recent survey—remember it had a self-addressed card with paid postage—showed a majority of cards returned in favor of it. And this is where the horse faltered because not enough Buck of the Month Club cards were returned to represent the majority of employees.

Q. What are the By Laws?

A. Rules and guides in conducting business under the requirements and laws of the State of Oregon as a non-profit organization. Like other organizations that many of you belong to, it sets forth the duties and election of your officers and the handling and disbursements of monies.

Q. When can I read the By Laws?

A. Any time except during working hours.

Q. Where may I get a copy of the By Laws?

A. From any member of the Board of Directors, but not to keep. At the present time funds are not available for additional copies.

Q. Will every person receive the same amount of money?

A. No. Amounts given will be based on circumstances and funds available.

Q. Is the money a loan or to be repaid?

A. Neither, but may be returned if wished.

Q. Is there a sum or amount to be given to employees on retirement?

A. No. The Buck of the Month Club is only for emergencies.

Q. What about baby showers and other such collections?

A. Although possibly accidental, ordinarily, they would not be considered an emergency.

Q. Will this stop shop or department collections?

A. Yes, with the exception of special permission from the Company.

Q. Can any person receive aid or help?

A. Yes, if a member and request is approved.

Q. What will happen to any surplus or extra money?

A. The members will decide that question at their annual election and meeting.

Q. Who will do all the work associated with the Buck of the Month Club?

A. Your Board of Directors, interested men and women who believe in Faith, Hope and Charity.

Whether the Buck of the Month Club becomes a Dead Horse or one that lives to carry aid and help to those that need it, now rest on your decision. Below is a copy of the card sent to you, again, may I ask that you return it either to your department head or Union Steward.

Now — this week!

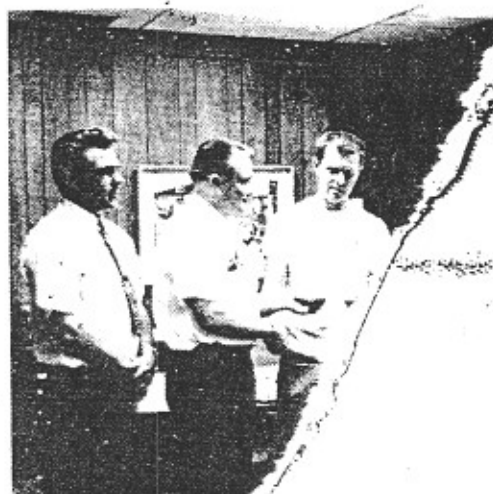
George C. Cord  
President



MARTIN POLKA RETIRES

WILLIAM M. ROZELL, General Manager, presents Martin Polka a special recognition plaque honoring his 25 years service with

the Company. added his cong He was presen his fellow wori



W. M. ROZELL, Tony Parker  
Jenness congratulate Bob Cent